

# TOIKE OIKE



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Vol. 30—No. 5

Tuesday, November 20, 1956

## AT LAST! THE CANNON BALL

Skule's annual fete of the cannon, the Cannon Ball, is scheduled for Friday, November 20th, at Hart House. We can truthfully say that this dance will go off with a bang. Music for the Cannon Ball will be supplied by three (count them) orchestras. For the vigorous athletic types there is Bob Scott and his square dance group. For those whose tastes run more to the sensual Bill Lee and his quintet will be in the music room, with the usual lack of illumination. The conventional dancers will find Frank Evans and his big band in the main gym. If there are any who cannot find

the music they like for dancing, the dance committee will gladly supply tom-toms and a bonfire in the middle of the front campus.

Plans are not yet finalized for the half time festivities, but there are hopes that the Skule Chorus will be on hand, together with the L.G.M.B. and, of course, the cannon.

The price of tickets is \$2.00 per couple. They will be available from your class reps. and at the stores. Even if you don't have a girl for that night, buy a ticket anyhow, and then go to see Dagny Vidinish.

# DESIGN

## FOR NEW

# ENGINEERING BUILDING

See Page Three

## G. O. Loach To Speak At Second General Meeting

Mr. Loach graduated from the University of Toronto in 1936 with a degree in Metallurgical Engineering. After several years in technical and administrative work in the metals industry, he joined Electromet as a metallurgical engineer — sales and service — in 1945. He became Vice-President in 1951 and Vice-President and Assistant Manager early in 1953. In December, 1953, he became President of Electro Metallurgical Company.

He is a member of the Association of Professional Engineers of Ontario, the American Institute of Mining and Metallurgical Engineers, the American Foundrymen's Association and the American Society for Metals.

Mr. Loach is also Chairman of the Scholarship Committee of Union Carbide of Canada, Limited.

## What About The School Auction

Many a Skuleman will remember the days when Engineering caps were in style, when Ajax was fresh in our minds, and when Meds was a power to be reckoned with. Then, again, there was a curious event called the Senate Auction.

Way back in the good old days, way before Ajax, but in times as modern as, say, the building of the pyramids in Egypt, that there auction were really something! It seems that the Engineers in those days took a little time off from building the pyramids to get together. This happened about once a year, and about this time, while the throwing of the whirling was perhaps the preliminary, the auction was the main event. All sorts of odds and ends were auctioned off; Nile barges, pyramid cornerstones, serving girls, dancing girls, . . . and everyone had a ball.

The auction in its present form represents the untiring efforts by generations and generations of Engineers all dedicated to the preservation of a GOOD THING. Unfortunately, the moral fibre of the populace has degenerated to such an extent that it is no longer possible to auction off serving girls, dancing girls, and . . . the only thing we have left is

## Cannon Ball Date Bureau

All Skulemen who are "sans her acquaintances at that renowned fete" for the Cannon Ball will be happy to learn that a date bureau will again be in operation. The date bureau, managed by Dagny Vidinish II Eng. Phys. will commence operations next Monday, Nov. 26th. Forms will be available at that time in the Engineering Stores, to be filled out by those interested.

This is Dagny's third venture in the "boy meets girl" department. She ran a similar service for the Skule At Home and Cannon Ball last year. Each time was a definite success. Dagny will recruit most of her girls from among

her acquaintances at that renowned fete" for the Cannon Ball will be happy to learn that a date bureau will again be in operation. The date bureau, managed by Dagny Vidinish II Eng. Phys. will commence operations next Monday, Nov. 26th. Forms will be available at that time in the Engineering Stores, to be filled out by those interested.

In order to be applicable a girl must conform to certain standards. She must be attractive, match the age and height of one of the applicants, and not be "too dopey". Having procured the girl, Dagny will contact her prospective date by Wednesday night or Thursday. Operating a date bureau is not without its hazards for it would take only a few misses for Dagny to lose a lot of friends. As her popularity around Skule shows, she has seldom misused.

(Continued on Page 2)



G. O. Loach, President of the Electro-Metallurgical Co., a division of Union Carbide.

## TOIKE OIKE

Devoted to the interests of the undergraduates of the Faculty of Applied Science

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Opinions expressed are not necessarily those of the Engineering Society or its officers.

Editor John Stewart  
Business Manager Denis Stephenson  
Photographer Dave Freedman  
Sports Harry Gross and Ron Sakay  
And friends: Winston Hay, Ralph Jones, Joyce Ireland, W. B. Taylor, Valerie Macpherson, Dagny Vidish.

## Ryerson Headlined Again

Featured in one of Canada's leading magazines, Ryerson has received much welcome publicity for the job it is doing. Being the only school of its kind in Canada, it has been hidden away in one of Toronto's not-so-hot districts so successfully that one of our professional drama groups folded after a season in the Ryerson auditorium because no one could find it and consequently no one attended the performances.

It is interesting to note that the male student body is referred to as "dressed like natty young executives." Call it a trade school if you like but it has a lot to show the University of Toronto and the Faculty of Applied Science and Engineering.

## Roll Out The Bandwagon

This year the Engineering Society's Christmas Cards will have on the front a very interesting pen and ink drawing of the ancient and venerable School of Practical Science, fondly referred to as the "Little Red Skule House" or with more dignity, "The Engineering Building." Maybe we are not sufficiently sentimental to appreciate the finer points of this building — we looked last Friday and could find none — but for Christmas 1959 or maybe '60 what about something new and shiny?

The University is expanding at a great rate as everybody knows . . . 2000 this year in Engineering . . . 2500 next year perhaps and from there in anything can happen. Various solutions are being put forward including satellite arts colleges on the fringes of Metropolitan Toronto and the complete divorce of the Faculty of Applied Science and Engineering from the University and its organization as an Institute of Technology with a group of buildings, say, in Ajax.

In our "humble" opinion the Faculty is part of the University of Toronto and the solution lies in the destruction of the existing hulks of masonry and the erection, with the help of industry, of the kind of buildings which will inspire Engineering progress.

This project is not impossible! A five year plan could be drawn up and put into action without much trouble other than a little intelligent financing. The Mechanical and the Walberg Buildings were mistakes which cannot be rectified but the rest of the shambles is expendable. Down with the rubble! On with Progress!

## For The Sake Of Argument

Mr. Frank Tumpane, in an article in Macleans has come out with an argument in support of censorship. We bow, slightly, in his direction.

### Campus Reproductions

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Skule Nite Workers

## Research In Chemical Engineering

— W. B. Taylor

One of the most progressive departments in the faculty in both fundamental and applied research is our chemical engineering graduate school. Their investigations have resulted in important discoveries in many fields which are undoubtedly producing a high respect for this university in industry and elsewhere.

For example, the properties of homogeneous ion-exchange membranes were first investigated here, and are receiving more study. It sure sounds impressive, doesn't it. I don't know what it means either, but the following uses show that it really is one of the more valuable discoveries. Eventually these ion-exchange membranes may be used to de-salt sea water and to produce electric power. In fact, they may be used to utilize solar energy. With respect to the chemical industry, serious consideration is being given to their application in the manufacture of chlorine and sodium hydroxide from sodium chloride solutions.

Much research is done at this university for the pulp and paper industry in the extremely well equipped laboratory used exclusively for this purpose. One of the new methods being developed for industry is in the production of chlorine dioxide. Because of the extreme importance of the wood pulp industry to our economy, the manufacture of chlorine dioxide is being followed very carefully. In this connection a pilot plant for the production of chlorine dioxide has been constructed. Fundamental enquiries into the nature of cellulose derivatives are also being made.

In connection with the fundamental research mentioned earlier, some theoretical investigation is being done. An understanding of the process of mass and energy transfer is necessary for the proper design of large-scale chemical installations. Hence, basic studies are being conducted on the variables affecting mass and energy transfer in such widely used pieces of equipment as distillation columns and absorption towers.

In addition, many other fields are being investigated by the Department. They are presently trying to modify and improve natural occurring polymers such as cellulose, lignin and asphalt. Some processes are of interest to the food and fermentation industry, such as the preparation and properties of chelating agents, and the structure of ceramic materials.

This account only briefly outlines the projects in the Chemical Engineering Department because almost every graduate student of the approximately fifty, is working on his own individual project. However, this should supply the under-graduates with some understanding of the basic processes being studied.

## What About The School Auction

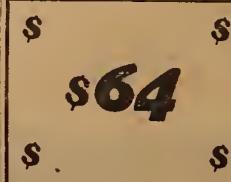
(Continued from Page 1)

offer is platonic companionship. A small mob of beauties will be on hand, all with standard equipment, (this includes a ticket to the Cannon Ball) as well as heaps of priceless objects that will touch the fancy of the onlooker. A set of Queens goalposts, old Skule Nite sets, No. Parking signs, old Skule Nite sets, and a complete set of murals depicting the life of a Skuleman, are among the relics on display.

Just think how you can beautify your private cell (or room, if you must be technical) with a No. Parking sign. It lends such a cosmopolitan air to the setting, and shows the joie de vivre of the occupant. Or, on the other hand, a complete set of Queens goalposts (a must for a Skuleman) is just the thing to keep the ceiling up and the landlord's foot down. These are just a few of the sterling values in objects of universal interest.

The great event will probably take place pretty soon. The 26th of November sounds like a good date, (that's next Monday) and proceedings will probably get under way about one o'clock. The LGMB (Marching Division) will be on hand featuring the latest in sound, and an able Master of Ceremonies to direct the Auction, pull off a few lousy jokes, and generally cajole the spectators into an evil mood.

This great EVENT promises to be one which will go down in the annals of infamy as one of the worst ever, so be sure to be around the Skule House next Monday, at one and join in the fun.



## Skule Nite Tickets

The inability of so many Engineers to obtain tickets for Skule Nite has caused much concern to the Skule Nite executive. Tonight's sneak preview is an attempt to rectify the situation.

Many students, including this writer, felt that the trouble had been caused by the giving of too many tickets to friends of the Skule Nite cast and executive, but investigations proved otherwise. Not more than thirty-five tickets were given to the faculty staff. Members of the cast were allowed to buy tickets, but their choice of seats was restricted. The ticket shortage may have been caused by students, who did not plan to attend themselves, buying tickets for friends outside the faculty. Perhaps students who were buying tickets used the AT&T cards of students who did not wish to attend and were thus able to make up a large party of their non-faculty friends. Some first and second year students are known to have had their tickets purchased for them by fourth year students.

The Skule Nite executive is already considering the solution for next year's show. The cost of the Royal Alexandra Theatre, with its greater seating capacity, has been investigated. Ticket purchases limited to two per AT&T card could be the answer. In any event, the Skule Nite ticket shortage is a healthy sign — proof that we have the best show on the campus.

## Treasure Van

— Valerie Macpherson

Hart House will welcome Mayor Nathan Phillips to officiate at the grand opening of Treasure Van's fifth annual sale of world handicrafts at 2:30 next Monday. Dr. Sidney Smith and Ward McCullum will also be present, as Varsity students begin their Christmas shopping.

Treasure Van originated in 1952, under the capable direction of Mrs. Ethel Mulvaney and in co-operation with Canadian universities under the sponsorship of World University Service, in an effort to create a market for the work of craftsmen all over the world and to bring before the people of Canada some of the beauty of arts and crafts of other countries.

Since that time, the van has expanded to bring such things as African ivories, Indian brasses and silks, Mexican jewellery, Grecian pottery, Jordanian mother-of-pearl, Hong Kong lincens, Japanese kokeshi dolls, Malayan paintings and Canadian wood carvings to 33 universities and colleges across Canada. Last year's sales totalled \$35,000.

Recently, silver trophies, donated by the Indian Art Museum in Bombay, were awarded for the first time for work on WUSC Treasure Van, and University of Manitoba won the "Spirit of WUSC" cup as the university with the best record in organizing and promoting the Van.

Francois Provencher, recently from Laval University, but now doing post-graduate work at U. of T. in Political Science on a NFCUS exchange scholarship, won the award for rendering the most outstanding individual service. Francois introduced the Van to several classical colleges in Quebec.

Every year it conducts study tours and seminars for Canadian university students and staff in India, Japan, West Africa, the Caribbean and many other European countries where they are joined by staff and students from overseas countries.

## The Mysterious East Moves West

The Scarab Beetle, because it hatches its eggs in dung pellets, and the female is virtually unknown, was first regarded by the Egyptians as a product of spontaneous generation. Symbolic of the force that rolled the sun across the heavens, it became associated with the god Khepera. Christ, as "God's only-begotten son", later became known as the Good Scarab.

Its shape lent itself readily to rings or amulets; these heart-scarabs of green stone set in gold were placed over the hearts of the dead, to give the soul re-birth. Gradually, they lost their spiritual, but gained high ornamental value . . . and women who wished to be rid of their husbands tucked vials of poison in the ring cavity.

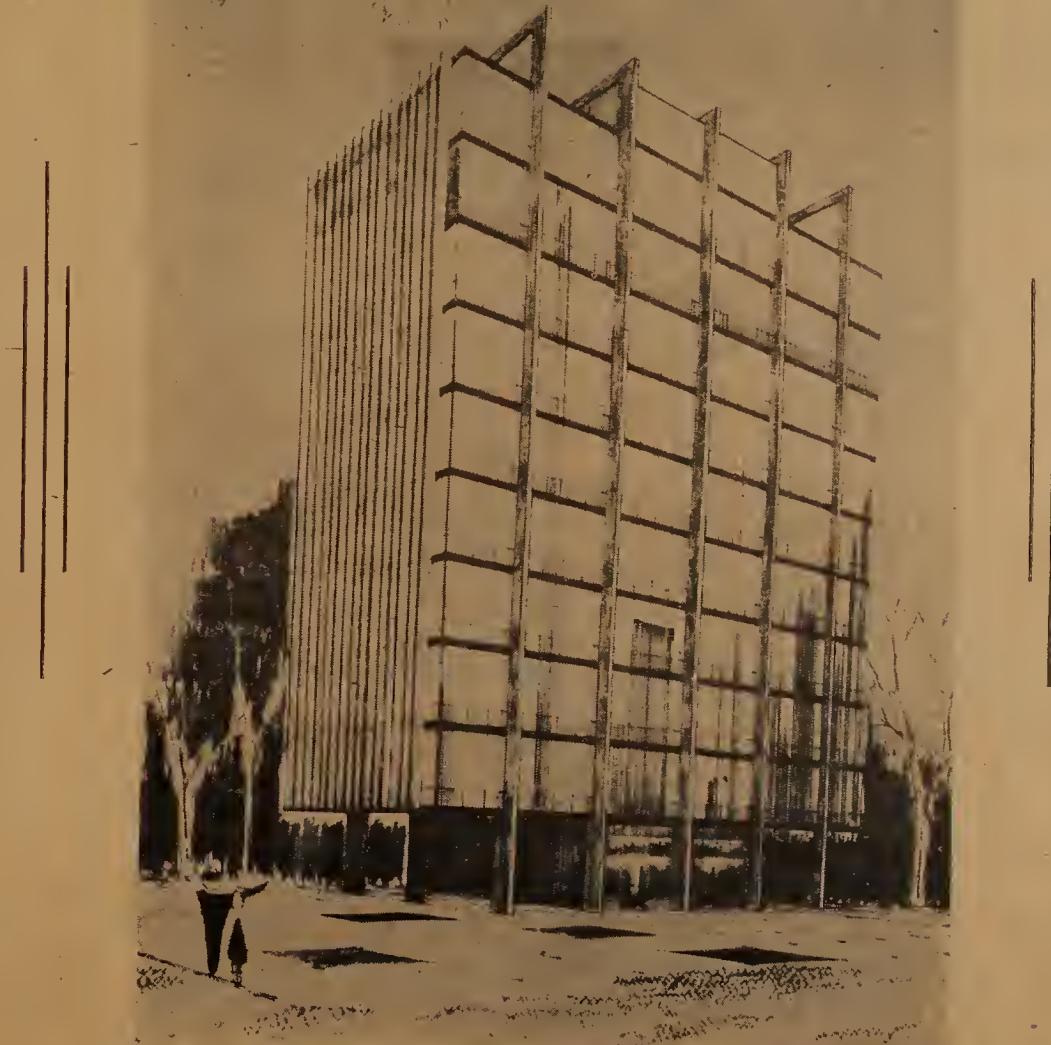
Scarab rings from Egypt will be only one of the attractions of the Hart House Christmas sale of world handicrafts from Nov. 26-29.

— Val Macpherson.

## Where Did She Go?



REV. L. G. HENRY  
High School  
TOIKE OIKE  
SCHOOL OF ART



## THE LITTLE RED SKULE HOUSE TRANSFORMED!

The mind conceives an idea, words convey the thought, and a plan is put on paper. The above was executed by Daryl Henry, a fourth year student in Architecture, and is the type of design which should be realized in this project. A ten-storey glass and steel tower, 50' by 100', housing the Faculty Administrative Offices and Stores, student Tuck Shop, drafting rooms, laboratories, and classrooms.

A concrete core houses the services and lobbies with the other functions around it on concrete slab floors supported at the edge by the steel members. Perhaps our civil engineers could give us cantilevered floors from the core and the exterior steel, with no need for fire-proofing would provide an aesthetic appeal.

With costs running anywhere from \$13.00 a square foot to \$20.00 a square foot the total cost is easily figured from between \$650,000 to \$1,000,000. Industry must support this project and the first step is to create a Building Fund from contributions from the major Corporations. It is to the University that these Corporations, turn for new blood and they have an obligation to support this Institution. Recent articles in the "Varsity Graduate" and the "Financial Post" back this up and something must be done soon.

### SOBERING THOUGHTS

Any question of expansion in the University must be preceded by an analysis of how big a university can be and still carry on its function satisfactorily. The question is whether any university in the heart of a city—with all its diversions—can possibly transmit to a large number of students the ideals and convictions that are so necessary to the life of the university.

What grieves the university community is to see the university meeting these massive problems as a man with a stick meets a tiger with so few alternatives because of the enormity of the problem that any expedient will do. The mistakes that will arise out of such a situation will doubtless be huge and difficult if not impossible to rectify.

It is to be hoped that the Provincial Legislature will listen diligently to the pleas of this province's fine educators and conceive a master plan which is open-handed and conclusive. Any other method will result only in expeditious solutions which themselves will produce more complicated problems in the future.

### Acta Victoriana

We have recently received a copy of the first issue of the Victoria College quarterly, *Acta Victoriana*. It consists of a very well arranged magazine with articles on poetry, fiction and literary reviews. The whole effort reflects a very high standard, particularly so, we thought, in the short stories. Too often periodicals of this type publish works of fiction which are decidedly substandard.

One of the short stories we were unable to read, however, as the Toike Oike office suffers from a shortage of fluent French translators. Especially appealing was "Mr. Smith and Incredible Giace," a delightful and imaginative story. Although all articles are not up to this high standard, we feel that Victoria College Union is to be commended on a really excellent undergraduate publication. Even the advertisements seemed in good taste.

Our chief point of criticism is a history of Victoria University which seems to appear in all Victoria publications and at all functions. One would believe that those who do not know how this history by themselves, will produce more complicated problems in the heart, are most probably not interested.

### Nurses Willing

The nurses have consented. Two representatives of the School of Nursing, June Smith and Nancy Wartman, shall produce the opposition to the arguments of engineers Ian Harrington and Barry Ross, who stand decidedly for the motion "Before the engineers, life just wasn't worth living." The verbal combat will take place in room 1938 of the Wallberg Building on Thursday, November 22nd at 1:00 p.m. This debate is sponsored by the Engineering Society's Debates Club.

The ability to think clearly and express yourself well is of prime importance to you, an engineer. An engineer is often called upon to express his opinions and views before a group. The more successful any professional becomes, the more often he is required to present his ideas spontaneously or by preparation. Therefore, it would not be too rash to state that an engineer should have some training in public speaking or debating.

The wise rulers of our faculty have recognized this need and have allotted some time for classroom instruction in public speaking. The needed experience is provided by the student governed Debates Club. Membership in the

club is open to anyone in the engineering faculty. The engineer who is experienced in speaking argumentatively will find himself well armed when facing boss wife or moneyed friends.

An organ of extreme importance in the Debates Club is the Bull Shooters Club which held its second meeting last Thursday November 15th. There was a large, active group present, including several members of the staff. Professor Hughes judged the speakers and the award of Bull-Shooter par excellence went to Hugh Jones.

The club meets every second Thursday at 1:20 p.m. in the Faculty Council Room which is in the Mining Building. All speaking is spontaneous and everyone present gets a chance to air his views and kick a little bull around too. Participants are advised to eat their lunches before entering the Faculty Council Room.

\$ \$64 \$



HANIA WEITKO

Hania's the girl in Civil whom everybody has noticed, but whose name only the chosen few can manage to pronounce.

Born in Poland, she spent five years in England, where she attended a French boarding school. There she learned all the arts of French women, and only had Englishmen to apply them to. So the only thing to do was to come to Canada which she did in 1951.

Her first few years were full of frustration since they were spent at Loretto and St. Joseph's. Then she spent a year at Western in premeds, but that was useless too.

Well, finally she hit upon the right solution—Engineering at U. of T. She chose Civics because she thought she would find the best manners there. And now she's right at home, in fact she's club rep to the Civil Club.

Hania likes also swimming, basketball, tennis, and says she's interested in Maths.

Hania says she has no ambition, so if anyone's ambitious enough for two . . .

Phone WA. 2-3680.



LYNNE A. CUMMINGS

Lynne is the girl better known to Skulemen as "Chemical." She was born in Toronto, on the East General operating table. She was expected to be twins, and when she wasn't, she got both names anyway.

Lynne went to North Toronto C.I. She came into Chemical Engineering because she was interested in it and was allergic to girls (she is also allergic to horses and eats, incidentally). She's glad she's in Engineering and says "It's better to have been an engineer and failed than not to have been one at all." Her immediate goal is to get past Christmas.

Lynne has two great ambitions. One is to be tall and skinny, the other is to get her sister married off so she can have their room all to herself.

As all no doubt know, Lynne is one of the Skule cheerleaders. "When I don't have problems," quoth Lynne, "problems class, that is." Lynne has one great defect for an engineer—she does not like beer. However, she says she's game to try 40 gins, if that will do.

Phone No. WA. 2-1569.



MARLENE E. METZGER

Marlene was born very respectfully in the hallways of the East General Hospital. Since her legs showed early promise, her mother named her after the famous Dietrich. Seems though, that our Marlene's feet are webbed, which is all due to Uncle Louis (?)!

Marlene attended Notre Dame H.S. and East York C.I. She was in architecture last year, but came into Civil Engineering because her father thinks it is the best education for a girl. Marlene's ambition is to specialize in structural design (all kinds of structures) she will, she says, work for only one firm.

Her favorite expression is "I'm too young," and she is very sorry but she cannot understand half of her fellow classmates' jokes.

Our girl neither drinks nor smokes, but likes nice, healthy boys. The athletic, intelligent type finds special favor in her eyes. However, she wails, "I wish I could like the same boy for more than two hours at a time."

Marlene's one of the Skule cheerleaders, so if anybody wants to see those famous legs, go to the next game.

Phone number — WA. 2-4390.



PAT AGNEW

"Aggie" is the girl in Geology who can usually be found out surveying, telling the fellows in no uncertain terms what to do, or up in the M & M lounge doing her knitting.

Born in Toronto, Pat went to Malvern, which she does not admit, and to Jarvis, which she admits. There she developed a fondness for show business, especially dark back stages. At present she's busy looking for costumes for Skule Nine.

After working for a while for an exploration company, Pat came to school. "What else would a red-blooded Canadian girl do?"

Pat's great ambition is to pledge Kappa Sigma fraternity. At present she's busy rushing them. Good luck! Her favorite expression is "Boys! I just lost a pound!" whereupon they all volunteer to help look for it. She detests children. "Monsters! The only ones I like are the ones around here!"

A member of the Yacht Club, Pat is an expert at boat races.

Her theme song is "Come on to my house!"

Phone number WA. 2-1494.



LVE DI YULIO

Elvira Reno Roxanne Bernadine Mary Elizabeth Emily Ann Victoria Di Yulio decided at an early age that her name was somewhat cumbersome and chastened it to Lve, which we dare you to pronounce.

Lve was born in Texas, and now her family lives in Rochester. She attended Mercy High School, was a professional dancer on the side, and last year appeared in Skule, in Eng. Phys. Her interests was aeronautics, but changed to aeronautics. She is undecided whether she will finish the course.

Her great ambition is to have a pin in every fraternity on campus. Incidentally, she's engaged at present—but she has been twice before, so cheer up, guys! Of course, lve says "But this is different." However, her theme song is "Married I can always get."

Lve's pet peeve is people who complain about her accent. It seems that she still has a bit of a southern drawl, plus a Rochester accent. Moreover, her fellow classmates are trying to teach her "to speak English."

Alternately known as "Little one" and "Brat," Lve wears Bermuda shorts to drafting, green hair on St. Patrick's Day and has a chronic case of "Geoditis."

Vital statistics: 5' 4 1/2, 108, 36-22-36 hds.

Phone number WA. 2-3903.

## Soccer

The talk of the intra-mural soccer league is the SPS Junior team. The Juniors, who held down second place, are in the unique position of playing off their own Seniors if they win the league championship. This outcome, needless to say, would provide many added points for the Walter Reid Trophy and hinges on the game with SMC on Monday. Since the result is not covered this week, a prediction based on the Juniors' victory over Meds, is another win for Skule. Meds' loss on Friday, 3 to 1, was a decisive one, and the score indicated the play. Skule never had to work hard in the game and were never endangered. The fight was reserved for Monday's game and the exhibition of this fighting spirit will be shown by such stars as Tim O'Leary, Barry Munro, and Matti Ronceseument, to mention a few.

## Lacrosse

The enthusiasm for lacrosse is growing, as may be noted by the increasing number of fans in the Hart House gym. The main cause for such enthusiasm is the hard playing by SPS L. Such players as Falby, Ruse, and Kearney, to single out a few, have shown that stick handling, good passing and hard shooting distinguishes the game from the stick swinging and wild throwing conception of many green fans.'

Fast moving end to end play was the exciting story of Friday's contest between SPS I and UC. UC the pre-game favourites, because of centre Bobby Allan, finally eked out a 6 to 5 victory. But a 3-goal spurge by Allan was matched with as much ability by Larry Ruse of Skule.

Allan, because of previous amateur experience with Mann Cup champions, has scored as much as 18 goals in one game this season. But the strong SPS team checked vigorously and showed superior defense in holding Allan to three goals. And great goal-leading roared Allan & Co. of at least six more.

The stick handling of Larry Ruse dis-

## Eng. Bus. Hockey Tournament

3-2 decision over the freshmen of 6T8 at Varsity Arena on Wednesday afternoon, November 14, to win undisputed claim to the Eng-Bus hockey title for this year.

The afternoon of shinny began with 5T8 versus 6T0. The freshmen gained an early 3-1 lead on goals by Knutson, Cumberland, and Rents. In a spectacular comeback, 5T8 tied the score at regulation time on goals by Taylor and Tattle, while Bill (unconscious) Cooper closed the door in goal. After five minutes of overtime, Mugsford netted the winning goal for 6T0. Clare Fisher got the only penalty awarded by referee Jim Taylor, as a reward for his efforts in demonstrating the centre of percussion principle of dynamics to a freshman.

The old men of 5T7 then trounced 5T9 in 30 minutes by a 7-1 count. Powerhouse Paul (succulent) Henderson, ably assisted by Dave Reid, Marty Larsen and Tom Thompson, spearheaded the drive of 5T7, scoring the sixth goal and receiving the only penalty for his underhanded tactics.

In the finale, 6T0 jumped into an early 1-0 lead on a goal by Cumberland. Larsen and Thompson scored one each to give the seniors a 2-1 lead. In the final minute of play, a freshman wide repute but of questionable origin, slipped in the tying goal in a goal-mouth scramble. Dave Reid responded with a rink-length drive, passing to Larsen, who made no mistake.

The men of 5T7 have made plans to utilize the prize; a case of 24 items of a suitable engineering type of refreshment, which was officially presented by Ted White at the Eng-Bus dance.

Supated many scoring chances by UC, and with a hard shot and fine ball handling, Ruse scored three. To help offensively Falby and Wawwychuck each scored one.

With UC back at full strength on Monday, SPS will no doubt rise to the keener competition and set the example play for the coming play-off game.

## Engineering Crop

### Looks Better

(Reprint from Financial Post)

Engineering registrations at Canadian universities have jumped sharply.

That's good news for industry in this time of engineer shortages.

A survey by Engineering Institute of Canada shows a registration increase of 12.2% for the 1956-7 year, which began last month. The number of students is 12,723, some 1,382 higher than last year's registration of 11,341. Highlights:

Freshmen classes are up—well up—at almost every university.

At some of the smaller colleges freshman enrolments have doubled. There are other increases of from 40% to 60%. One such jump is at University of Saskatchewan where this year's freshman engineering class is 451, 14% or 48% up on last year's 305.

Largest relative registration increase is in engineering physics where enrollment has leaped 46% from 404 to 566, a reflection, the EIC notes, of the interest which is building up in nuclear fission and associated studies. Probable size of next spring's crop of engineers: 1,826 or 9% greater than last year:

The Electrical Club Presents  
THE SECOND ANNUAL

## FALL BRAWL

### At The Embassy

Thursday, December 6th

100 Dollars in Prizes

Embassy Orchestra

Refreshments Served

Dress Informal

Two Dollars per Couple

OUR PROMISE:

You'll All Have a Ball

At This Year's Fall Brawl

## Fabulous New Engine

A fabulous new engine was unveiled by Particular Motors engineers yesterday. Destined to turn the tide of favor away from turbines to piston engines once more, the revolutionary new design opens new fields of clean and economical performance.

The principle of operation is similar to conventional piston engines, except that the fuel used is soap, not explosive fuels. Soap or detergent, as solids, liquids or powders is fed to a mixing chamber where agitation with water produces large bubbles. These bubbles are sucked from this chamber into the cylinders, and explode as the piston reaches the top of its stroke, thus providing the motive power.

The performance of the new engine is simply mar-VEL-ous. Early experiments with "soaped up" versions produced severe piston slap under rigorous hill climbing, which produced absolutely hair-raising performance.

Particularly interesting are the various shades of performance, which may be obtained by the use of different soaps. 1,400 engineers proved that by running the engine on a popular toilet soap, for only one minute a day, pistons and cylinders obtained a more beautiful finish in only fourteen days. Another brand, containing more active dirt remover than any other leading product, removes harmful dirt deposits, leaving pistons and valves snow white clean. Yet another brand is so pure that the ride it produces can only be described as "floating."

Of particular interest to women drivers is that the new engine also doubles as a washing machine. The gentle, soaping action of its mixing chamber is guaranteed not to harm the fabric of the most delicate underwear.

In an interview with this reporter "Prol. Master of the Dept. of Mech. Engineering" heralded the advent of the new engine as it "duz represent the first prac-

## Junior School Hockey

Things are looking good this year for Junior Skule Hockey, with one of the largest turnouts for the team in many years, with plenty of good potential showing. At the Friday practice, the boys were so rearing to go, that Coach Ron McCurdy had to cut down their raw meat ration. Positions aren't quite set yet, but no matter who gets what position, things are bound to be tough for the opposition. Game schedules will be posted on the bulletin board, so if you want to see some fast action turn out for the games.

Toike Oike needs a second staff photographer. Leave name in stores.

\$ \$ \$64 \$ \$

tical step towards the complete elimination of the atmosphere dispersion of microscopic carbonaceous particles, known on the other side of the campus as smoke."

Experiments on running the engine on beer have so far been inconclusive, but investigations are being continued. In every attempt so far, feed lines have mysteriously broken resulting in the engineers' faces being liberally sprayed with beer. The engineers' reports at the end of these runs have all been remarkably incoherent. However, there are still a great number of engineers eager to continue this research and results are being anxiously awaited.